

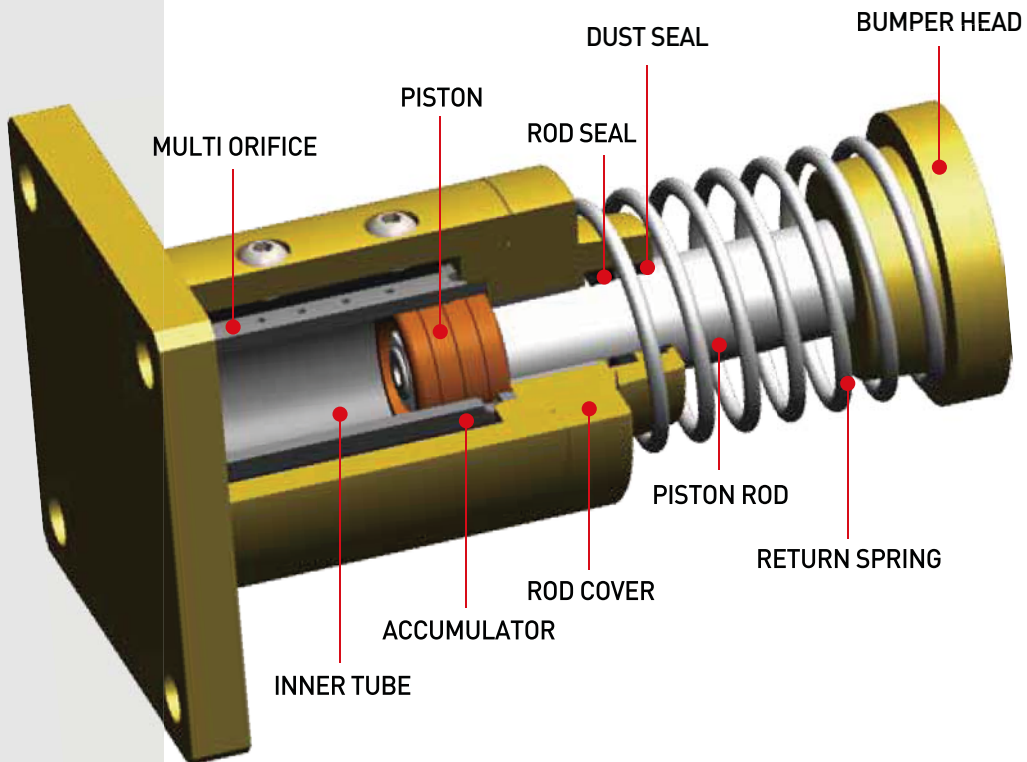
KHS Series

Hydraulic Buffer

KOBA
Best Energy Absorption



KHS Series는 이동하는 물체가 Bumper Head 에 충돌하게 되면 내부의 Piston을 이용하여 Multi Orifice로 Oil이 빠져나가면서 충돌에너지를 흡수하는 제품입니다.
충돌후 압축된 Piston Rod는 외부의 Return Spring에 의해 원래상태로 복귀하게 됩니다.

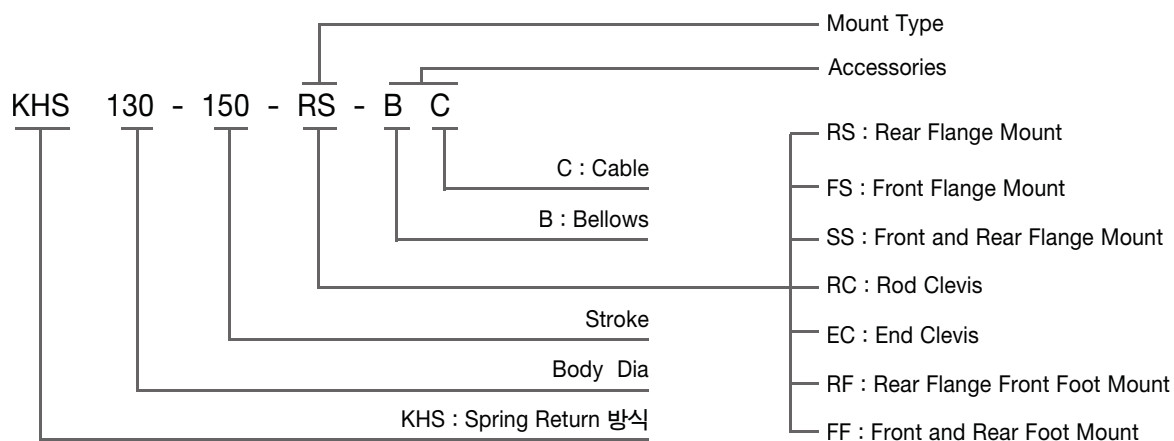


특징

KHS Series는 대용량 Buffer로 사용자의 사용요구 조건에 따라 최적의 Orifice를 설계제작 하므로 높은 완충효율을 실현하고 있으며, 비상용 또는 반복성을 요구하는 생산라인에 적합한 제품이며, 산업안전 규격 OSHA, AISE, CMMA, DIN, FEM등의 표준규격에 준하여 생산 공급하고 있습니다.

- 조정방식 : 자기조정형
- 사용유체 : Oil
- 사용온도 : 표준품 (-10~80℃), Special (-30~100℃)
- Return 방식 : Coil Return Spring
- Piston Rod : Hard Chrome(25 μ m 이상)
- Body 및 Mount : Epoxy Paint Coatings
- 사용처 : 컨테이너 크레인, 오버헤드 크레인, 스테커 크레인, 트랜스퍼카, 놀이기구, 철도, 제철설비 안전장치등

KHS Series Ordering Information



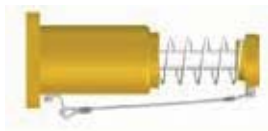
Accessory



Bellows Cover



Clevis Mounting



Front & Rear Safety Cable



Front Mount

Special Order

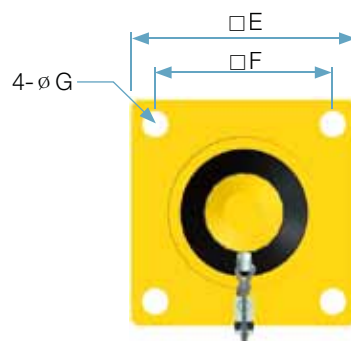
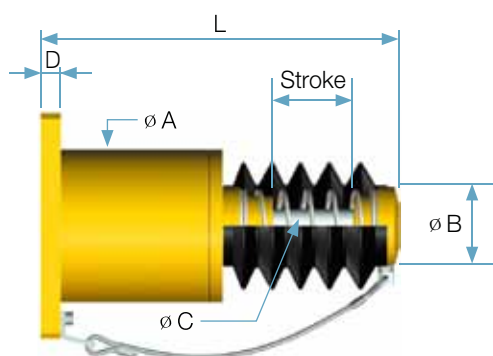
- Temperature : -30~100℃
- Special Coatings

- Body Chrome Plating
- Stainless Steel

KHS 64, 90, 100 Series

Engineering Data

Model	Stroke (mm) S	Max.Energy / Cycle (kJ) E _T	Max.Energy / Hour (kJ/h) E _T C	Max Buffer Force (kN) F _S	Recoil Force (kN)		Max Side Load Angle (°)	Weight (kg)
					Ext	Comp		
KHS 64-50	50	0.5	10	12.5	6.5	14.8	3	3
KHS 90-50	50	4	80	100	14.2	30.5	3	8.5
75	75	6	108	100	10.5	19	3	9.5
-100	100	8	128	100	9.9	42	3	12
KHS 100-50	50	4.4	79	110	14.2	30.5	3	14
-100	100	8.8	140	110	9.9	42	3	17



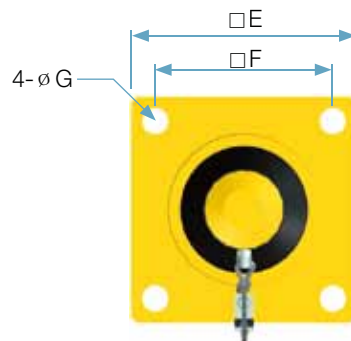
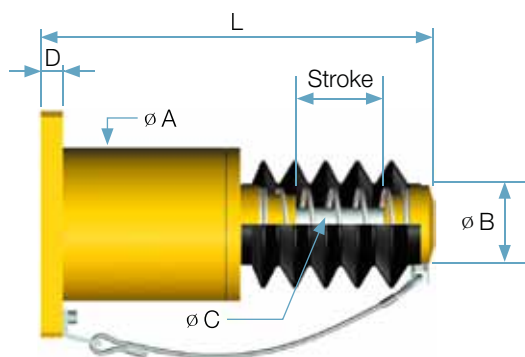
Dimensions (unit : mm)

Model	Stroke (mm) S	L	ø A	ø B	ø C (Rod)	D	E	F	4-ø G
KHS64 - 50	50	200	64	56	20	12	90	65	4-ø 11
KHS90 - 50	50	240	90	78	30	16	130	100	4-ø 14
-75	75	280	90	78	30	16	130	100	4-ø 14
-100	100	360	90	78	30	16	130	100	4-ø 14
KHS100 - 50	50	240	100	84	30	16	130	100	4-ø 14
-100	100	340	100	84	30	16	130	100	4-ø 14

KHS 130, 170, 190 Series

Engineering Data

Model	Stroke (mm) S	Max.Energy / Cycle (kJ) E _T	Max.Energy / Hour (kJ/h) E _T C	Max Buffer Force (kN) F _S	Recoil Force (kN)		Max Side Load Angle (°)	Weight (kg)
					Ext	Comp		
KHS 130-70	70	10	170	179	18.2	42.5	3	21
-100	100	15	270	188	17.8	48	3	24
-150	150	21	294	175	18.3	53.5	2.5	28
KHS 170-80	80	22	396	340	18.2	44.3	3	38
-150	150	41	574	340	18.3	53.5	2	48
KHS 190-100	100	40	720	500	17.8	48	2.5	52
-150	150	60	840	500	18.3	53.5	2	64



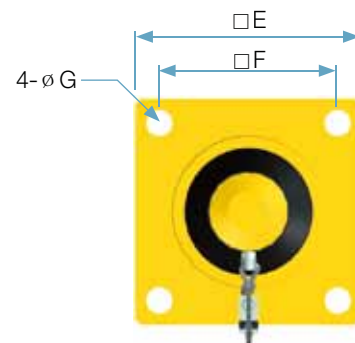
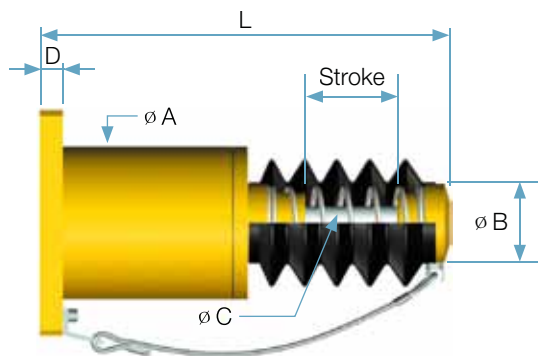
Dimensions (unit : mm)

Model	Stroke (mm) S	L	ø A	ø B	ø C (Rod)	D	E	F	4- ø G
KHS130 - 70	70	290	130	98	35	19	170	130	4- ø 22
-100	100	350	130	98	35	19	170	130	4- ø 22
-150	150	490	130	98	35	19	170	130	4- ø 22
KHS170 - 80	80	360	170	98	50	22	220	170	4- ø 26
-150	150	500	170	98	50	22	220	170	4- ø 26
KHS190 - 100	100	440	190	98	50	25	280	220	4- ø 33
-150	150	540	190	98	50	25	280	220	4- ø 33

KHS 220, 250 Series

Engineering Data

Model	Stroke (mm) S	Max.Energy / Cycle (kJ) E _T	Max.Energy / Hour (kJ/h) E _T C	Max Buffer Force (kN) F _S	Recoil Force (kN)		Max Side Load Angle (°)	Weight (kg)
					Ext	Comp		
KHS 220-100	100	44	792	550	40.5	134	2.5	69
-150	150	66	924	550	41.8	131	2	76
KHS 250-100	100	60	1,080	750	38.5	111.2	2.5	130
-150	150	90	1,260	750	34.2	107.5	2	140
-200	200	120	1,560	750	33	105	2	150
-300	300	180	2,160	750	38	121.8	2	170



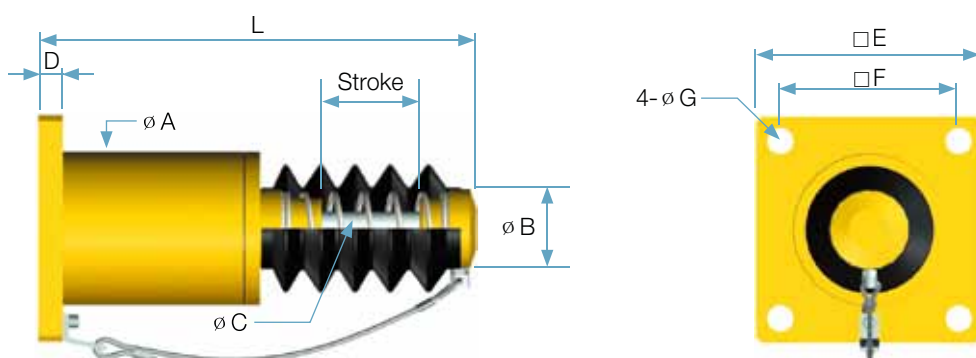
Dimensions (unit : mm)

Model	Stroke (mm) S	L	ø A	ø B	ø C (Rod)	D	E	F	4- ø G
KHS220 - 100	100	440	220	116	60	25	280	220	4- ø 33
-150	150	540	220	116	60	25	280	220	4- ø 33
KHS250 - 100	100	480	250	138	70	32	320	250	4- ø 33
-150	150	650	250	158	70	32	320	250	4- ø 33
-200	200	750	250	158	70	32	320	250	4- ø 33
-300	300	880	250	158	70	32	320	250	4- ø 33

KHS 300, 340, 360 Series

Engineering Data

Model	Stroke (mm) S	Max.Energy / Cycle (kJ) E _T	Max.Energy / Hour (kJ/h) E _T C	Max Buffer Force (kN) F _S	Recoil Force (kN)		Max Side Load Angle (°)	Weight (kg)
					Ext	Comp		
KHS 300-150	150	117	1,638	975	46	142	2	186
-250	250	180	2,340	1,125	45	151	1.5	206
KHS 340-200	200	200	2,600	1,250	51	162	1.5	275
-300	300	300	3,600	1,250	49	176	1.5	305
KHS 360-250	250	294	3,822	1,470	68	178	1.5	324
-400	400	470	4,700	1,470	64	182	1.5	376



Dimensions (unit : mm)

Model	Stroke (mm) S	L	ø A	ø B	ø C (Rod)	D	E	F	4-ø G
KHS300 - 150	150	650	300	170	80	36	400	300	4-ø 33
-250	250	850	300	170	80	36	400	300	4-ø 33
KHS340 - 200	200	800	340	228	100	45	440	340	4-ø 39
-300	300	1,000	340	228	100	45	440	340	4-ø 39
KHS360 - 250	250	900	356	280	100	45	460	360	4-ø 39
-400	400	1,200	356	280	100	45	460	360	4-ø 39